

2 Senior Associate Researchers in Mass Spectrometry and Exposomics

The Senator Frank R. Lautenberg Environmental Health Sciences Laboratory in the Department of Environmental Medicine and Public Health at the Ichan School of Medicine at Mount Sinai seeks applicants for two senior associate researcher positions that will involve untargeted profiling of endogenous and exogenous metabolites, nutrients, and toxins in human tissues. Under the general direction of a designated faculty member, this position will provide technical assistance in liquid chromatography – high resolution mass spectrometry (LC-HRMS) analysis in support of research and service activities provided by the Untargeted Organics Core.

- Conduct a variety of laboratory experiments and assignments with very minimal supervision of the designated faculty member
 - Prepare and analyze biological samples for untargeted organics analysis with LC-HRMS, following QA/QC protocols and proper biological and chemical handling safety procedures
 - Assist with method development
- Operate and maintain LC-HRMS (Agilent 6550, QTOF)
 - Perform tuning and calibrations, routine maintenance, troubleshooting, working with delicate and sensitive equipment
 - Acquire mass spectrometry data both in a service environment and as ongoing research
 - Independently perform basic data analysis and generate reports
- Proper maintenance of files and records including sample-tracking system and Standard Operating Procedures (SOPs)
- Record keeping of daily activities

Job Requirements

- Master's degree or higher in chemistry, biochemistry, or related field
- At least 1 year of hands-on analytical laboratory experience
- Hands-on HRMS experience (QTOF experience preferred)
- Knowledge of analytical chemistry, particularly organic compounds analysis
- Experience with sample preparation and extraction protocols for organics from different tissues for LC-HRMS analysis
- Experience with untargeted methods is desirable
- Applicants must be detail-oriented
- Must have strong organizational and time management skills, with the ability to independently meet project timelines

Salary range: \$40,000-60,000/yr.

Please send a resume/CV to Allison Devia (allison.devia@mssm.edu), as well as questions about the application process. Inquiries about the position can be addressed to Dr. Lauren Petrick (lauren.petrick@mssm.edu). Evaluations will begin March 15, and will continue until the position is filled.